Abstract

A method and device are described for padding segments for transmitting data on a bus system and a bus system, the segments having a predetermined total number of bytes and the data being transmitted in segments, in the event of a transmission of data including fewer bytes than the predetermined total number of the segment, the missing bytes of the data being padded to the total number of the segment by a filling pattern of a corresponding byte number, distinguished in that a filling pattern, whose byte number corresponds to the total number of the segment, is first written into the segment and the bytes of the data are subsequently written into the same segment, the particular bytes of the filling pattern being overwritten by the bytes of the data.